RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/517,696_

Source: _PU/10_

Date Processed by STIC: _12/22/04_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 12/22/2004
PATENT APPLICATION: US/10/517,696   TIME: 16:18:22

Input Set : **A:\DEX-432.ST25.txt**
Output Set: **N:\CRF4\12222004\J517696.raw**

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 3 <110> APPLICANT: diaDexus, Inc.
 4        Salceda, Susana
 5        Macina, Roberto A.
 6        Turner, Leah R.
 7        Sun, Yongming
 8        Liu, Chenghua
10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
and Proteins
12 <130> FILE REFERENCE: DEX-0432
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C--> 14 <140> **CURRENT APPLICATION NUMBER: US/10/517,696**
C--> 14 <141> **CURRENT FILING DATE: 2004-12-13**
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14 <150> PRIOR APPLICATION NUMBER: US 60/389,327
15 <151> PRIOR FILING DATE: 2002-06-14
17 <160> NUMBER OF SEQ ID NOS: 171
19 <170> SOFTWARE: PatentIn version 3.1
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22 <211> LENGTH: 1574
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapien
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29 <223> OTHER INFORMATION: n=a, c, g, or t
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33 <221> NAME/KEY: misc_feature
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35 <223> OTHER INFORMATION: n=a, c, g, or t
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39 <221> NAME/KEY: misc_feature
40 <222> LOCATION: (1474)..(1474)
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49 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    180
51 gtacatgtat atatttgtcc tgcattatgt tttttacttg atataaatgt atttttactg    240
53 tgatagtcca agtgccctgg ggggcaggtg tgctctatgt ggttcttctt ccattggaga    300
55 gctggcgtag agatctgcag tgttcacaag gatgttggtt tggagatgtc tgctgctagg    360
57 acctggggtg tgtgactcag tccatatgag agggacatct gggtggagga gtaaattcct    420
59 gtgctctgaa atgccacttg gtagctctgg acaatgaagg acaattgact caagggtgcc    480
61 tggcttctgc tgctgctggg aaaaaattca gtttatagca ttcctgcacc tcccaaagta    540
63 gataacctgg aggtcattca gttaacaact gtccctgagg actcagtttt ggggagggg     600
65 ttatctggga gaagctttag cctgttctga gccattagga gacattagtg aattggagca    660
67 ctggagaatc ctacaaatgg cctatgtctc agaagagctg ggacctcctt ccagctgctg    720
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Input Set : A:\DEX-432.ST25.txt
Output Set: N:\CRF4\12222004\J517696.raw

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 69 cagatgctga caggccctgg gaggctgctg tgctctggag aagctggagc agctcatttc    780
 71 ttggcctagc ctggctgcct cagaaagagc agtcaggact tgagggaagc atcaaattct    840
 73 atacccataa actgcagttg gaagtcagct ttttgaaatg tccagccttt gcccaattgt    900
 75 ttcagatcat ctcatgcctc aggctttggc aggtatcctg ccctccatct tattccagtg    960
 77 tgttcacctc atcaaggcag cagagtggat gaaggagtaa gtctgccctt tgccatactg   1020
 79 aacagctgtg gaccccgatt ggtgagggct ctgcatatgc ctgtatgaag gagatacagg   1080
 81 tgtgtgtgca catgccggta tgaagaagac acaggcatgt gcttctcagt tttgctaaca   1140
 83 gtgggagctc aacggggcag agggaggaag gtccatgatg ctcagccaca tactgtagag   1200
 85 agaggcaatt taatgttaaa tgacgcacca tcctccctcc cacccttctc ccagtcaact   1260
 87 ttttttcttt ttctagaact actaattatc tctcaaggct gaaaaattaa ttgccttagg   1320
 89 tggagaactt aattcctagt atccaccaaa cttaactccg tatctccata tggtgtctcc   1380
 91 atatctactg tgtgagctac ttaactgacg ccctcttcct ccaactgaag gatcgcccaa   1440
 93 cgtttttgga ttatagaatt attatngcct gctntctttc tttgggactt ttgaatttct   1500
 95 ttggtttcgt ttttaagaag taacccaaca tttcctacaa cactaaataa aatggtactt   1560
 97 acctttcaaa aaga                                                      1574
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108 cgcatgagct ggagtcctag gcacagctct aagcctcctt attcgagccg agctgggcca    120
110 gccaggcaac cttctaggta acgaccacat ctacaacgtt atcgtcacag cccatgcatt    180
112 tgtaataatc ttcttcatag taatacccat cataatcgga ggctttggca aaaaaaaaac    240
114 aaaaaaaaaa aaaaaacctg ggggaaacac ggggcaaacg cggtcccggg ggcagaaatg    300
116 gtacccggcc acattcccac acacattccg acacaagagg cgaagacacg acaacagccg    360
118 accgacacaa cagaggcacg gggaagggggg acgaagagga ggaggagaac agacgggacg    420
120 gcaacaaggg acagcgaggg acgcagacgc ggaggagaag ggggaaggca gacgggaacg    480
122 agaaaaagag ccgagacggg acgcggaccc cacagggggg tcgcgagaaa agacgccca     539
125 <210> SEQ ID NO: 3
126 <211> LENGTH: 197
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapien
130 <400> SEQUENCE: 3
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133 tactgtaatt tttttttttt ttatacaaag cacgtgacgt ggactaatgt aaggcagatg    120
135 acgtgactct taagacgtgc tatatttatt cagttcctct ttacctctat agaggtttta    180
137 aatttagaat aagctgt                                                    197
140 <210> SEQ ID NO: 4
141 <211> LENGTH: 1634
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapien
145 <400> SEQUENCE: 4
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148 tatgtggaca gaagtggaac acttcttggg tccaaataca agaaagtctt atatcgtcaa    120
150 tatgatgata acacgttcac aaatcaaaca aaaaggaatg aaggtgaaaa acatctcgat    180
152 atactaggtc cattaatatt gctcaaccct ggtcaaataa ttcaaattat ctttaaaaat    240
154 aaagccgcaa gaccgtattc tattcatgct catggagtga aaacaaataa ttccactgtt    300
156 gttccaactc agccaggaga gattcaaata tatacttggc agatacctga tagaactggt    360
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Input Set : **A:\DEX-432.ST25.txt**
Output Set: **N:\CRF4\12222004\J517696.raw**

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158 cctacctcac tggactttga atgcatacct tggttttact attcaactgt atctgtggct    420
160 aaggaccttc acagtggact ggtaggccct ctctctgtat gccgcaaaga catcaacccc    480
162 aacatagttc accgtgttct ccacttcatg atatttgatg agaatgaatc ctggtacttc    540
164 gaagacagta tcaacaccta tgcttcaaaa ccaaacaaag tggacaagga aaatgataat    600
166 tttcaactca gcaaccaaat gcacgcaatt aacggaagac tgtttggaaa taaccaaggt    660
168 ataacattcc atgttgggga tgtagtgaat tggtatctga ttggcatagg gaatgaagct    720
170 gacctgcaca cagttcactt tcatggccat agctttgaat acaagaatta gggagtgtat    780
172 caatctgatg tttatgacct tcctcctggg gtctatcgaa ctgtaaaaat gtatcgaaga    840
174 gatgttggaa cctggttatt ttattgccat gtttttgagc acattggtgc tggaatggat    900
176 agcacttaca ctgtacttga agaaaaggg ctgatggagc agaacctctg aagcagacaa    960
178 aggagagtca gcatgaacag tttctcagaa tcttctctca atatcaggac tacatttgtc   1020
180 aacaaaacca aaaactgatt agccaccgat ataattttta cctacaacat cctattaatg   1080
182 tcaataatat cattattgat acaattctaa taatcactac ccttattcct atcagtgttc   1140
184 atgtacattc ttagtaaaag agactttggt gcgctgtcca tgaaataaat cccccattgc   1200
186 taacattctt tctttggaaa agtagatttt gcatttcaaa gaatataaag tcaaattgga   1260
188 ttggatttac aggtcatctg ttcccacaga agggtgatat tgatgttgct attgataagt   1320
190 aaactttttg tggcaaaagt gatggtagtt attttaagga tgttcccaag actaatataa   1380
192 attttgtatt tattccttaa atgtatgtaa tcattttagc ttagtatttt aacttagaac   1440
194 tgcatgctat tatataatat tacctatttt tgaaacttcc ttttctacag cataaatatt   1500
196 tgatatgata tgaatattga caagcttaca agccaaggta aagctgccaa agaaggaaaa   1560
198 ctccagggac caaggagtct gggaggaacc agctaaagac tttcatgaca atgtaccagg   1620
200 gagactagtt tgag                                                      1634
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204 <211> LENGTH: 891
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapien
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213 cgggctgggt cgccgagtcc acagcctcga agccatgggt tctccccggc cctctgaagc    180
215 cgccacacct gtgccagccg gccgcgtcct cagacctttc cccgcggagt cttcccagca    240
217 cttggagacg cagcgcaggg cccggaggac ggcctggccc ggagaaaaga taccgaagct    300
219 ccaactttcc ccaaccccgc tcccctcctc cttccaccct cccttcccgc ccccaaagct    360
221 cgggggtcct atccctcctc cggtccgcgg agtctcccga accctgcggg gacccggcgc    420
223 tcggcggtgc cctcctgggg cgcacggggc tggggcggga gcgaggagac caggtgggga    480
225 ggggacccca gatctcagac gccaggggag acggcgtttc ccgctgttca ttcaggtttg    540
227 tgccaaaagg agcctcacag atgcagtatt gggtttggta gactcaaatc gtcttgtttt    600
229 aatgtaaatg aaagtaagtt taggataaat tccagtgcgg cggggcagg caaggctacc    660
231 cacatttttt aaaagaagc cagcccgtat ttttctccct ttccaaatcc tccgcccccc    720
233 agtccttcga cccaggcacg agcgcccatc gcggaggcca cgatgcccgt tttattccct    780
235 ctccacggca aggaaaagca gcgaaatctg aggtcttcag aggttaaccc tatctaggag    840
237 cagaatgtga cgcattgtaa acaaataaat attgaaaact cgatgttaaa a             891
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241 <211> LENGTH: 1253
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243 <213> ORGANISM: Homo sapien
245 <400> SEQUENCE: 6
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248 ggggctggcg gggcagggc cggcgcacga ggctggagga ggggagcgcg cgcttctacc    120
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Input Set : **A:\DEX-432.ST25.txt**
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250 cgggctgggt cgccgagtcc acagcctcga agccatgggt tctccccggc cctctgaagc    180
252 cgccacacct gtgccagccg gccgcgtcct cagacctttc cccgcggagt cttcccagca    240
254 cttggagacg cagcgcaggg cccggaggac ggcctggccc ggagaaaaga taccgaagct    300
256 ccaactttcc ccaaccccgc tcccctcctc cttccaccct cccttcccgc ccccaaagct    360
258 cggggggtcct atccctcctc cggtccgcgg agtctcccga accctgcggg gacccggcgc    420
260 tcggcggtgc cctcctgggg cgcacggggc tggggcggga gcgaggagac caggtgggga    480
262 ggggaccccca gatctcagac gccaggggag acggcgtttc ccgctgttca ttcaggtttg    540
264 tgccaaaagg agcctcacag atgcagtatt gggtttggta gactcaaatc gtcttgtttt    600
266 aatgtaaatg aaagtaagtt taggataaat tccagtgcgg cggggggcagg caaggctacc    660
268 cacattttt aaaaagaagc cagcccgtat ttttctccct ttccaaatcc tccgcccccc    720
270 agtccttcga cccaggcacg agcgcccatc gcggaggcca cgatgcccgt tttattccct    780
272 ctccacggca aggaaaagca gcgaaatctg aggtcttcag aggttaaccc tatctaggag    840
274 cagaatgtga cgcattgtaa acaaataaat attgaaaact cgatgttaaa ccctttactt    900
276 tttctgactc cgacttgctt gacctctgag cagacctggg tttcgaacac agacgcccctt    960
278 ccccatttct ctattctctg tattcctgtt tcaccttcac agcagtctgc cagcacttct   1020
280 tagcactcag tttaaccaga gcacaagctc ctgaatagca aaaaccaggt ctttttatac   1080
282 gtggcacagt ggctgttaca aaatatgctt cttgggtgaa ttggtaaaaa atattgtatt   1140
284 acttttattt tgtagcaaaa cctagaataa gaaaaagtac aagagattat tgtttgcctt   1200
286 taaattgcat ttttaaaaga gcgtgcatat aatctctgag aaattaaatg tct           1253
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290 <211> LENGTH: 401
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapien
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297 <223> OTHER INFORMATION: n=a, c, g, or t
300 <220> FEATURE:
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302 <222> LOCATION: (174)..(174)
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308 <222> LOCATION: (304)..(304)
309 <223> OTHER INFORMATION: n=a, c, g, or t
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313 <221> NAME/KEY: misc_feature
314 <222> LOCATION: (383)..(384)
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321 aacccccctat gtagaatgct tttagagcct tcttcctata tacatttctg ggagctgcat    120
323 ccactcaaag tgcttggcat aacnctggct ggcgtttgca attacagaac cttnacgcag    180
325 cttccactag gcacgccagg agcaagtgtc acgcacaaga catttttcagc actggcagac    240
327 ggcatgccaa catatacgtg catgctcgcg ccagagcata cagtattccc tcctaaagat    300
329 ccanacaaca caaggcaagg gcatgctgca attgcctgtt ggtgttaggt ctttcacatt    360
331 cgacatgtga acagttctta gannacaaca acttaagctt g                       401
334 <210> SEQ ID NO: 8
335 <211> LENGTH: 405
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W--> at line 323

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337 <213> ORGANISM: Homo sapien
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345 <220> FEATURE:
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347 <222> LOCATION: (69)..(70)
348 <223> OTHER INFORMATION: n=a, c, g, or t
351 <220> FEATURE:
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353 <222> LOCATION: (77)..(77)
354 <223> OTHER INFORMATION: n=a, c, g, or t
357 <220> FEATURE:
358 <221> NAME/KEY: misc_feature
359 <222> LOCATION: (79)..(80)
360 <223> OTHER INFORMATION: n=a, c, g, or t
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (102)..(102)
366 <223> OTHER INFORMATION: n=a, c, g, or t
369 <220> FEATURE:
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372 <223> OTHER INFORMATION: n=a, c, g, or t
375 <220> FEATURE:
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378 <223> OTHER INFORMATION: n=a, c, g, or t
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <222> LOCATION: (250)..(251)
384 <223> OTHER INFORMATION: n=a, c, g, or t
387 <220> FEATURE:
388 <221> NAME/KEY: misc_feature
389 <222> LOCATION: (274)..(275)
390 <223> OTHER INFORMATION: n=a, c, g, or t
393 <220> FEATURE:
394 <221> NAME/KEY: misc_feature
395 <222> LOCATION: (286)..(287)
396 <223> OTHER INFORMATION: n=a, c, g, or t
399 <220> FEATURE:
400 <221> NAME/KEY: misc_feature
401 <222> LOCATION: (295)..(295)
402 <223> OTHER INFORMATION: n=a, c, g, or t
405 <220> FEATURE:
406 <221> NAME/KEY: misc_feature
407 <222> LOCATION: (297)..(298)
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Input Set : A:\DEX-432.ST25.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:1;  N Pos.  89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106
Seq#:1;  N Pos.  107,108,109,110,111,112,113,114,115,116,117,118,119,120,121
Seq#:1;  N Pos.  122,123,124,125,126,127,128,129,130,131,132,133,134,135,136
Seq#:1;  N Pos.  137,138,139,140,141,142,143,144,145,146,147,148,149,150,151
Seq#:1;  N Pos.  152,153,154,155,156,157,158,159,160,161,162,163,164,165,166
Seq#:1;  N Pos.  167,168,169,170,171,172,173,174,175,176,177,178,179,180,1466
Seq#:1;  N Pos.  1474
Seq#:7;  N Pos.  144,174,304,383,384
Seq#:8;  N Pos.  56,57,69,70,77,79,80,102,200,247,250,251,274,275,286,287,295
Seq#:8;  N Pos.  297,298,306,309,317,318,337,339,340,347,349,350,356,357,374
Seq#:8;  N Pos.  375
Seq#:9;  N Pos.  1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,286,287,288
Seq#:9;  N Pos.  289,290,291,292,293,294,295,296,297,298,299,300,301,302,303
Seq#:9;  N Pos.  304,305
Seq#:10; N Pos.  280,281,282,283,284,285,286,287,288,289,290,291,292,293,294
Seq#:10; N Pos.  295,296,297,298,299
Seq#:12; N Pos.  217,218,219,220,221,222,223,224,225,226,227,228,229,230,231
Seq#:12; N Pos.  232,233,234,235,236
Seq#:14; N Pos.  84,137,146,147,160,161,169,170,181,183,184,195,196,205,206
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Seq#:14; N Pos.  253,256,259,261,262,267,271,273,275,278,280,281,284,287,289
Seq#:14; N Pos.  291,292,296,297,303,305,308,310,312,315,317,318,322,324,327
Seq#:14; N Pos.  328,329,336,338,339,344,345,349,351,353,356,358,360,362,367
Seq#:14; N Pos.  369,371,373,375,377,380,382,383,389,391,393,396,398,402,404
Seq#:14; N Pos.  406,408,410,412,414,416,421,437,447,453,455,459,461,463,467
Seq#:14; N Pos.  468,471,473,475,477,479,481,483,485,487,489,491,493,497,499
Seq#:24; N Pos.  75
Seq#:27; N Pos.  75
Seq#:30; N Pos.  164,168
Seq#:31; N Pos.  718
Seq#:35; N Pos.  685,686,688,697
Seq#:42; N Pos.  574
Seq#:44; N Pos.  1682,1733
Seq#:86; N Pos.  168,169,170,171,172,173,174,175,176,177,178,179,180,181,182
Seq#:86; N Pos.  183,184,185,186,187,188,189,190,191,192,193,194,195,196,197
Seq#:86; N Pos.  198,199,200,201,202,203,204,205,206,207,208
Seq#:87; N Pos.  282,283,284,285,286,287,288,289,290,291,292,293,294,295,296
Seq#:87; N Pos.  297,298,299,300,301,302,303,304,305,306,307,308,309,310,311
Seq#:87; N Pos.  312,313,314,315,316,317,318,319,320,321,322
Seq#:116; Xaa Pos.  167
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VERIFICATION SUMMARY   DATE: 12/22/2004
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Input Set : **A:\DEX-432.ST25.txt**
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
M:341 Repeated in SeqNo=1
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:120
M:341 Repeated in SeqNo=7
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:240
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:180
L:1304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
M:341 Repeated in SeqNo=14
L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
L:1725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:120
L:1833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:660
L:2011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:660
L:2464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:540
L:2628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:1680
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:120
M:341 Repeated in SeqNo=86
L:5037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:240
M:341 Repeated in SeqNo=87
L:7007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:160